

We Claim:

1. A device for dispersing an item within a dispensable liquid, comprising:  
a rotating, indexing mechanism carrying a piercing feature;  
a support ring positioned adjacent the indexing mechanism, the support ring having compartments carrying discrete, predetermined portions of the item to be dispersed within the liquid;  
wherein the item portions are designed to disperse a predetermined amount of the item within the liquid upon being contacted by the piercing feature.
2. The device of Claim 1, wherein the device is designed to engage and be in liquid communication with a liquid container for dispensing.
3. The liquid dispenser of Claim 1, wherein the liquid comprises water, and the item comprises chlorine.
4. The liquid dispenser of Claim 1, wherein the liquid comprises water, and the item comprises vitamins.
5. The liquid dispenser of Claim 1, wherein the liquid comprises water, and the item comprises flavoring agents.
6. The liquid dispenser of Claim 1, wherein the item comprises vitamins.
7. The liquid dispenser of Claim 1, wherein the item is in gel form.
8. The liquid dispenser of Claim 1, wherein the item comprises a viscous liquid.
9. The liquid dispenser of Claim 1, further comprising an absorbent pad positioned below the support ring.
10. A self-chlorinating water dispenser having a housing and designed to engage and be in water communication with a water container, comprising:

a rotating, indexing mechanism contained within the water dispenser housing and including a plunger having a piercing feature;

a support ring carrying discrete, predetermined portions of chlorine;

wherein the chlorine portions are designed to disperse a predetermined amount of chlorine within the water upon being contacted by the piercing feature.

11. The self-chlorinating water dispenser of Claim 10, further comprising an absorbent pad located below the support ring.

12. The self-chlorinating water dispenser of Claim 10, wherein the support ring is rigidly attached to and rotates with the rotating mechanism.

13. The self-chlorinating water dispenser of Claim 10, wherein the water container comprises a water bottle having a threaded neck.

14. The self-chlorinating water dispenser of Claim 10, wherein the plunger is spring-loaded.

15. The self-chlorinating water dispenser of Claim 10, wherein the piercing feature comprises a relatively sharp, downwardly extending nib.

16. The self-chlorinating water dispenser of Claim 10, wherein the chlorine portion comprises a gel capsule.

17. The self-chlorinating water dispenser of Claim 10, wherein the water dispenser also comprises a filtration device.

18. The self-chlorinating water dispenser of Claim 10, wherein the piercing feature comprises a nib.